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L4: Entry 1 of 1

File: DWPI

Sep 12, 1988

DERWENT-ACC-NO: 1988-297389  
DERWENT-WEEK: 198842  
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TITLE: Impact resistant resin compsn. for electric device - comprises polyphenylene ether! resin, styrene! resin and compsn. contg. vinyl! and diene! polymers

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

ASAHI CHEM IND CO LTD

ASAH

PRIORITY-DATA: 1987JP-0051877 (March 9, 1987)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP <u>63218748</u> A	September 12, 1988		009	

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 63218748A	March 9, 1987	1987JP-0051877	

INT-CL (IPC): C08L 23/00; C08L 25/00; C08L 51/04; C08L 53/02; C08L 71/04

ABSTRACTED-PUB-NO: JP 63218748A

## BASIC-ABSTRACT:

The compsn. comprises, pts. wt., (a) polyphenylene ether resin 20-80, (b) styrene resin 80-20 and (c) premixed compsn. composed of polyolefin 30-60 and chain-structural copolymer of general formula A-B-(-A-B-)n 70-40, where A = vinyl aromatic block; B = conjugated diene hydrocarbon block; n = 1-2; and content of A component = 35-50 wt.%.

Polyolefin resin is, e.g. polyethylene, polypropylene, polyisobutylene, ethylene-propylene copolymer or ethylene-organic ester copolymer. A-B-(-A-B-)n type block copolymer is pref. elastomer having wt. average mol. wt. 50,000-500,000. Polyphenylene ether resin is pref. poly(2,6-dimeth,4-phenylene)ether. Styrenic resin is pref. polystyrene or rubber-modified high impact polystyrene.

USE/ADVANTAGE - The compsn. is useful for moulding parts of industrial or electric device. Through incorporating specified premixed resin compsn., without having declination of substantial superior properties of polyphenylene ether resin, e.g., rigidity, heat resistance, etc., impact resistance and anti-stress cracking properties are remarkably improved.

TITLE-TERMS: IMPACT RESISTANCE RESIN COMPOSITION ELECTRIC DEVICE COMPRISE POLYPHENYLENE POLYETHER RESIN POLYSTYRENE RESIN COMPOSITION CONTAIN POLYVINYL POLYDIENE POLYMER

DERWENT-CLASS: A18 A85 L03

CPI-CODES: A04-B01B; A04-C01A; A04-C02B; A04-G01B; A05-H07; A07-A04E; A09-A05A; L04-C20D;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0009 0010 0016 0218 0226 0232 0233 3151 0239 0241 0246 3153 0248 0250  
0262 0297 0298 0299 0304 0306 3159 0488 1061 1095 1279 1355 1359 2237 2334 2545 2585  
2597 2600 2614 2617 2628 2730 2737 0782

Multipunch Codes: 014 02& 032 034 036 040 041 046 047 048 050 052 055 056 066 074 081  
117 122 147 151 213 214 216 27& 329 331 392 394 396 476 541 551 552 553 556 560 566 575  
58& 582 583 589 623 627 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-132048

**WEST****End of Result Set**

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L5: Entry 1 of 1

File: DWPI

Oct 12, 1988

DERWENT-ACC-NO: 1988-333403

DERWENT-WEEK: 198847

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TITLE: Resin compsn. with good stress-crack resistance - comprises compsn. composed of polyolefin type polymer, resinous block copolymer, polyphenylene ether resin and styrene type resin

PATENT-ASSIGNEE:

ASSIGNEE

ASAHI CHEM IND CO LTD

CODE

ASAH

PRIORITY-DATA: 1987JP-0078381 (March 31, 1987)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 63245453 A

October 12, 1988

009

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 63245453A

March 31, 1987

1987JP-0078381

INT-CL (IPC): C08L 23/12; C08L 25/08; C08L 71/04

ABSTRACTED-PUB-NO: JP 63245453A

BASIC-ABSTRACT:

Compsn. comprises compounding 1-20 pts. wt. of a pre-kneaded compsn. consisting of 30-70 pts. wt. of polyolefin type polymer and 70-30 pts. wt. of a resinous block copolymer of general formula, A-B-(A-B)<sub>n</sub>, to 100 pts. wt. in total of (a) 20-80 pts. wt. of polyphenylene ether resin and (b) 80-20 pts. wt. of styrene type resin. (A = vinyl aromatic block; B = conjugated diene type hydrocarbon block; n = 1 or 2; and content of component A = 50-65 wt.%).

The polyolefin type polymer is polyethylene, polypropylene, polyisobutylene ethylene-propylene copolymer or ethylene-organic ester copolymer. The A-B-(A-B)<sub>n</sub> type block copolymer has wt. average mol. wt. 100,000-500,000. The polyphenylene ether resin is poly(2,6-dimethyl-1,4-p-phenylene) ether. The styrene type resin is polystyrene, esp. rubber modified high impact resistance polystyrene. As A, styrene is pref. used and as B, 1,3-butadiene and isoprene are pref. used.

ADVANTAGE - The resin compsn. has good impact resistance and stress-crack resistance as well as rigidity and heat resistance, etc., of polyphenylene ether resin.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: RESIN COMPOSITION STRESS CRACK RESISTANCE COMPRISE COMPOSITION COMPOSE POLYOLEFIN TYPE POLYMER RESINOUS BLOCK COPOLYMER POLYPHENYLENE ETHER RESIN STYRENE TYPE RESIN

ADDL-INDEXING-TERMS:

POLYSTYRENE

DERWENT-CLASS: A18 A25

CPI-CODES: A04-B01B; A04-C01A; A04-G01B; A05-H07; A07-A04E; A09-A05A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0009 0010 0016 0218 0226 0297 0298 0299 0300 0304 0305 0306 0307 3159  
3163 1061 1062 1095 1102 1279 1355 1359 2330 2585 2600 2614 2617 2628 0232 0233 0239  
0248 0262 3151 0241 3153 0250 0488 0782

Multipunch Codes: 014 02& 032 034 036 040 041 046 055 056 117 122 123 147 151 213 214  
216 27& 28& 331 392 541 551 552 553 556 560 566 575 582 583 589 688 014 02& 032 034 036  
040 041 046 047 055 056 117 122 123 147 151 213 214 216 27& 28& 331 392 541 551 552 553  
556 560 566 575 582 583 589 688 014 02& 032 034 036 040 041 046 050 055 056 117 122 123  
147 151 213 214 216 27& 28& 331 392 541 551 552 553 556 560 566 575 582 583 589 688 014  
02& 032 034 036 040 041 046 052 055 056 117 122 123 147 151 213 214 216 27& 28& 331 392  
541 551 552 553 556 560 566 575 582 583 589 688 014 02& 032 034 036 040 041 046 047 050  
055 056 117 122 123 147 151 213 214 216 27& 28& 331 392 541 551 552 553 556 560 566 575  
58& 582 583 589 688 014 02& 032 034 036 040 041 046 047 055 056 074 081 117 122 123 147  
151 213 214 216 27& 28& 331 392 541 551 552 553 556 560 566 575 582 583 589 688 014 02&  
032 034 036 040 041 046 047 055 056 066 117 122 123 147 151 213 214 216 27& 28& 331 392  
541 551 552 553 556 560 566 575 582 583 589 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-147164